

# Prajjawal Agarwal

Stony Brook, NY, USA

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## ABOUT ME

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Current Graduate Student pursuing Master of Science in Computer Science at Stony Brook University, NY. Have an industry experience of more than 3 years of working as a full-stack software developer. Loves solving challenging problems and mentoring junior developers, got promoted to SDE-2 within a year. Worked on several cross-team projects and even delivered several projects single-handedly.

## EDUCATION

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### SUNY Stony Brook

*Master of Science in Computer Science*

New York, USA

*Aug 2022 – Dec 2023*

### Indian Institute of Information Technology Allahabad

*Bachelor of Technology in Information Technology - CGPA: 8.73/10*

Prayagraj, India

*Jul 2015 – Jun 2019*

## EXPERIENCE

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### Software Development Engineer II

*MindTickle*

May 2020 – Aug 2022

*Pune, India*

- Took complete ownership over the Authentication and Rule Automation team for a while, leading them in each project and becoming a POC for all stakeholders.
- Implemented a file uploader system that processes the file with socket communication to the frontend. It was eventually used as a platform for other uploads on top of which other teams built domain services.
- Designed multi region routing stack for serving different customer traffic from different regions. This was essential to onboard companies wanting their data in only particular region.
- Introduced GraphQL and led frontend projects within the team while introducing latest upgrades for faster development cycles.

### Software Development Engineer I

*MindTickle*

Jun 2019 – Apr 2020

*Pune, India*

- Built a query framework for frontend and backend that would maintain user selections across filters. This resulted in ease of bulk operations and increased usage.
- Architected a processor that would break any large task into chunks and decrease the time taken. This also improved the end user visibility through the states maintained.

### Software Engineer Intern

*MindTickle*

Jan 2019 – Jun 2019

*Pune, India*

- Built a customer facing frontend application using React and Redux-Saga for serving automation rules. This was done as a part of UI overhaul.
- Did a comprehensive study comparing UI frameworks which was used when deciding a path for company stack.

## TECHNICAL SKILLS

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**Languages familiar:** Java, Python, GoLang, Javascript, Typescript, SQL, N1QL

**Databases used:** Couchbase, Elasticsearch, PostgreSQL, DynamoDB

**Libraries/Frameworks:** React, Relay, Redux-Saga, Express

**Miscellaneous:** Git, Docker, Amazon Web Services (AWS), GraphQL, gRPC, Node.js

## RESEARCH BASED PROJECTS

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### Learning Based CPU Frequency Governor | *Data Mining, Linux Kernel, C++*

Jan 2018 – Jun 2018

- Study of frequency and temperature of CPU cores to create a governor that maintains frequency to save energy.
- Built a Linear regression model for frequency and temperature.

## EXTRACURRICULAR ACTIVITIES

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- **Teaching Assistant (TA):** Programming Abstractions at SBU.
- Volunteered at Prayaas, a student led organisation for teaching underprivileged students during undergrad.
- **Working Committees Member, IIITA:** Acoustics & Media Society(2016), Training and Placement Cell(2018).